

Patent Abstracts of Japan

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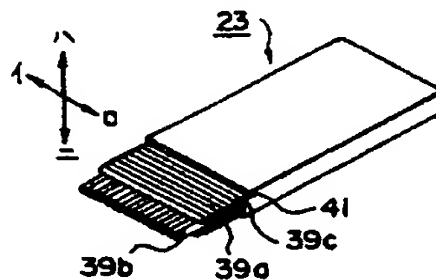
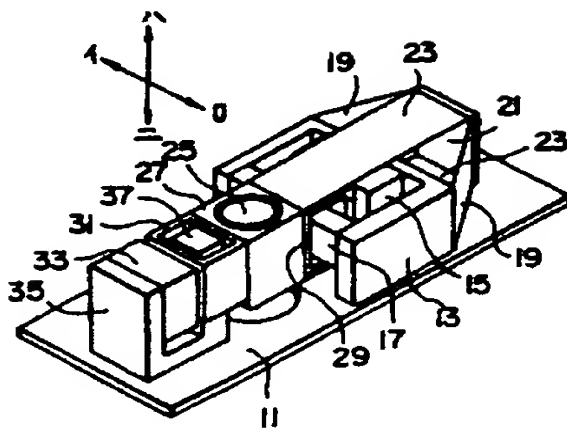
APPLICATION DATE : 17-05-85  
APPLICATION NUMBER : 60103870

APPLICANT : CANON INC;

INVENTOR : TATSUNO TORU;

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TITLE : OPTICAL SYSTEM SUPPORTING  
DEVICE



ABSTRACT : PURPOSE: To form a supporting device of an optical system where the motion of an objective lens is stabilized, by forming a flat spring supporting the optical system with an elastic member where carbon fibers are impregnated with a resin.

CONSTITUTION: The first elastic member 19 is the flat spring consisting of carbon fibers impregnated with a resin, and both ends of a pair of the first elastic members 19 are stuck to a yoke 13 and a relay member 21. One ends of a pair of the second elastic members 23 consisting of the same materials as the first elastic members 19 are stuck to upper and lower faces of the relay member 21, and the other ends of this pair of the second elastic members 23 are fixed to an objective lens holding plate 27 having an objective lens 25. Since elastic members formed in this manner are hardly affected by temperature and are very strong against twist and have a good attenuation characteristic, these elastic members are used in the objective lens driving device to stabilize the motion of the objective lens.

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